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Datasheet for ABIN4911795  
**anti-MASTL antibody**

### Overview

Quantity:	100 µL
Target:	MASTL
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MASTL antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	This MASTL monoclonal antibody is generated from mouse immunized with MASTL recombinant protein.
Clone:	5C3
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

### Target Details

Target:	MASTL
Alternative Name:	MASTL ( <a href="#">MASTL Products</a> )
Background:	Synonyms: GW, GWL, THC2, MAST-L, GREATWALL, Serine/threonine-protein kinase greatwall,

## Target Details

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hGWL, Microtubule-associated serine/threonine-protein kinase-like, MASTL

Background: Serine/threonine kinase that plays a key role in M phase by acting as a regulator of mitosis entry and maintenance. Acts by promoting the inactivation of protein phosphatase 2A (PP2A) during M phase: does not directly inhibit PP2A but acts by mediating phosphorylation and subsequent activation of ARPP19 and ENSA at 'Ser-62' and 'Ser-67', respectively. ARPP19 and ENSA are phosphatase inhibitors that specifically inhibit the PPP2R2D (PR55-delta) subunit of PP2A. Inactivation of PP2A during M phase is essential to keep cyclin-B1-CDK1 activity high. Following DNA damage, it is also involved in checkpoint recovery by being inhibited.

Phosphorylates histone protein in vitro, however such activity is unsure in vivo. May be involved in megakaryocyte differentiation.

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Gene ID: 84930

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UniProt: [Q96GX5](#)

## Application Details

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Application Notes: WB 1:300-5000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 0.5 µg/µL

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Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C for 12 months.

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Expiry Date: 12 months